## NMED.P-001-US PATENT APPLICATION

## ABSTRACT OF THE DISCLOSURE

| Partial sequences for a novel mammalian (human and rat sequences identified)                                  |
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| calcium channel subunit which we have labeled as the $\alpha_{\rm II}$ subunit, and an additional novel human |
| calcium channel which we have labeled as the $\alpha_{\rm 1H}$ subunit are provided. Knowledge of the         |
| sequence of these two calcium channels permits the localization and recovery of the complete                  |
| sequence from human cells, and the development of cell lines which express the novel calcium                  |
| channels of the invention. These cells may be used for identifying compounds capable of acting                |
| as agonists or antagonists to the calcium channels.   |